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IN THE SPECIFICATION

Please amend paragraph [0019] on page 5 as follows:

[0019] In order to examine the accuracy of the synthesized frequency, a Discrete Fourier Transform (DFT) of the output signal is provided in FIG. 6A and FIG. 6B. FIG. 6A is a diagram showing Discrete Fourier Transform (DFT) of the output signal of the frequency synthesizer according to one preferred embodiment in this present invention. FIG. 6B is a zoon-in version of FIG.6A around index 400. The x-labels of both FIG.6A and FIG.6B denote "a scaled version of the frequency." The y-labels of both FIG.6A and FIG.6B denote the amplitude response of the synthesized signal. Notice that if performing zoom-in around 201kHz on the x-axis and compare the synthesized spectrum with that of $\sin(2\pi \cdot 201k \cdot t)$, an exact match is observed.

IN THE DRAWINGS:

Please amend Fig. 6A as shown in the attached replacement sheet.